# Ledtech LT02XX-A7-F02 1.8mm φ AXIAL LED LAMP - (Z-BEND)

## Features

* LOW CURRENT REQUIREMENTS
* HIGH LIGHT OUTPUT
* RELIABLE AND RUGGED
* IC COMPATIBLE

15597

## Absolute Maximum Ratings at $T_A$=25℃

| | |
|---|---|
| REVERSE VOLTAGE (<100 μ A) | GaAsP RED 3.0 V,OTHER 5.0 V |
| D.C. FORWARD CURRENT | 30mA |
| PULSE CURRENT(1/10 DUTY CYCLE , 0.1 ms PULSE WIDTH ) | 100mA |
| OPERATING TEMPERATURE RANGE | −25℃ TO +85℃ |
| STORAGE TEMPERATURE RANGE | −25℃ TO +100℃ |
| LEAD SOLDERING TEMP. (1.6mm FROM BODY) | 260℃ FOR 3 SEC. |

## Electrical/Optical Characteristics at $T_A$=25℃

| PART NUMBER | | LED CHIP | | LEN'S COLOR | | PEAK WAVELENGTH | FORWARD VOLTAGE @20mA(V) | | LUMINOUS INTENSITY @20mA(mcd) | | VIEW ANGLE $2\theta_{1/2}$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MATERIAL | EMITTING COLOR | | | @20mA(nm) | TYP. | MAX. | MIN. | TYP. | (deg) |
| LT0211-A7-F02 | LT0212-A7-F02 | GaAsP | RED | R.D. | W.D. | 655 | 1.7 | 2.0 | 0.8 | 1.4 | 74 |
| LT0211G-A7-F02 | LT0212G-A7-F02 | GaP | RED | R.D. | W.D. | 700 | 2.1 | 3.0 | 1.2 | 2.0 | 74 |
| LT0221-A7-F02 | LT0222-A7-F02 | GaP | GREEN | G.D. | W.D. | 567 | 2.1 | 3.0 | 5.9 | 9.9 | 74 |
| LT0231-A7-F02 | LT0232-A7-F02 | GaAsP ON GaP | YELLOW | Y.D. | W.D. | 585 | 2.1 | 3.0 | 5.0 | 8.3 | 74 |
| LT0241-A7-F02 | LT0242-A7-F02 | GaAsP ON GaP | ORANGE | O.D. | W.D. | 635 | 2.1 | 3.0 | 7.0 | 11.7 | 74 |
| LT0241R-A7-F02 | | GaAsP ON GaP | ORANGE | R.D. | | 635 | 2.1 | 3.0 | 7.0 | 11.7 | 74 |
| LT0213-A7-F02 | LT0214-A7-F02 | GaAsP | RED | W.C. | R.C. | 655 | 1.7 | 2.0 | 1.4 | 2.3 | 36 |
| LT0213G-A7-F02 | LT0214G-A7-F02 | GaP | RED | W.C. | R.C. | 700 | 2.1 | 3.0 | 2.0 | 3.4 | 36 |
| LT0223-A7-F02 | LT0224-A7-F02 | GaP | GREEN | W.C. | G.C. | 567 | 2.1 | 3.0 | 10.0 | 16.7 | 36 |
| LT0233-A7-F02 | LT0234-A7-F02 | GaAsP ON GaP | YELLOW | W.C. | Y.C. | 585 | 2.1 | 3.0 | 8.2 | 13.7 | 36 |
| LT0243-A7-F02 | LT0244-A7-F02 | GaAsP On GaP | ORANGE | W.C. | O.C. | 635 | 2.1 | 3.0 | 11.6 | 19.4 | 36 |
| | LT0244R-A7-F02 | GaAsP ON GaP | ORANGE | | R.C. | 635 | 2.1 | 3.0 | 11.6 | 19.4 | 36 |

(1)LEN'S COLOR

R.D._RED DIFFUSED G.D._GREEN DIFFUSED R.C._RED CLEAR G.C._GREEN CLEAR

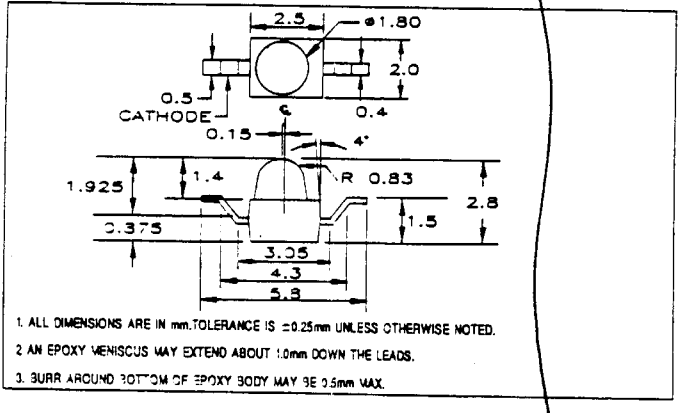
Y.D._YELLOW DIFFUSED O.D._ORANGE DIFFUSED Y.C._YELLOW CLEAR O.C._ORANGE CLEAR

W.D._WHITE DIFFUSED W.C._WATER CLEAR

(2)SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

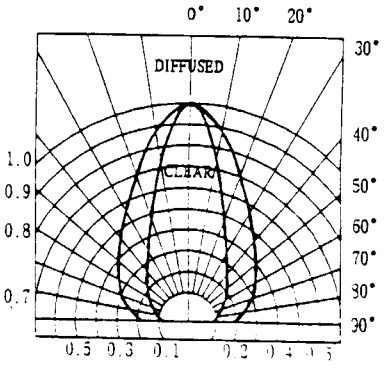
(3) ALL ABOVE COMPONENTS ARE CONSIDERED . DEVIATIONS FROM STATED SPECIFICATIONS WILL REQUIRE A NEW PART NUMBER BE ASSIGNED .

## Package Dimensions




1. ALL DIMENSIONS ARE IN mm.TOLERANCE IS ±0.25mm UNLESS OTHERWISE NOTED.
2. AN EPOXY MENISCUS MAY EXTEND ABOUT 1.0mm DOWN THE LEADS.
3. BURR AROUND BOTTOM OF EPOXY BODY MAY BE 0.5mm MAX.

## Radiation Pattern




High efficiency RED